

Technical Support



1.800.672.7298



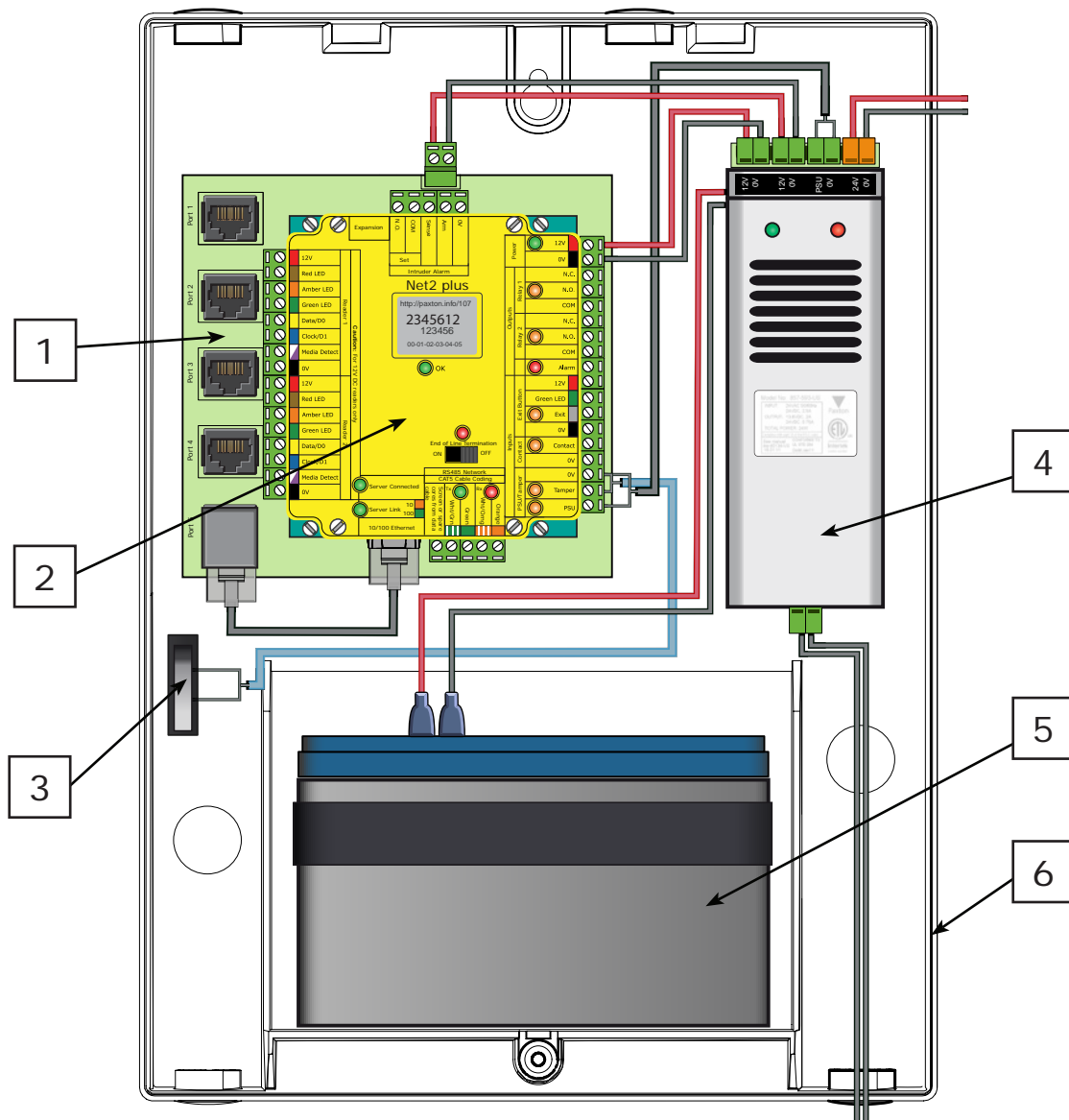
supportUS@paxton-access.com

Technical help is available: Monday - Friday from 02:00 AM - 8:00 PM (EST)

Documentation on all Paxton products can be found on our web site - <http://www.paxton-access.com/>

Description of product

The Net2 Entry control unit is the central interface between a panel and the door and provides data and PoE power for the monitors. The ports can also be used to expand the network of panels and monitors through Net2 Entry extension switches or to connect the control unit to a Net2 system running Net2 v4.25 or later.



1. PoE Switch (4 PoE + 1 standard port)
2. Net2 plus control unit
3. Tamper switch
4. 2A 24V AC/DC power supply
5. Battery backup (battery not supplied)
6. Metal cabinet

Paxton recommend that the network cable is run to each location and terminated in a network box. A patch cable should then be used to link the unit to the network. This makes unit replacement or removal for building maintenance much easier.

Installation

Connect the entry panel to the control unit using the network cabling. Connect the monitor(s) to the control unit. Further devices may easily be added as required in the future.

Power up the control unit. The Net2 Entry panel and monitor(s) will power up using the PoE provided by the control unit.

Net2 hardware and software

The access control function is administered by the Net2 system. The installation of Net2 hardware and software is fully described in the Net2 documentation supplied with this unit and also on the website as follows:

Ins-30080-US Net2 plus control unit < <http://paxton.info/1468> >
AN1127 - Net2 Entry - Planning and installation < <http://paxton.info/1896> >

Lock power considerations

The power required for the lock will limit the number of Net2 Entry devices that this control board will support.

Each control board has four network ports that can also provide PoE. The following table shows the devices that can be supported by a Net2 Entry control unit depending on the power required for the lock.

Resource Distribution			
Lock current @ 12V DC	Lock current @ 24V DC	PoE powered devices	Additional network connections
up to 650 mA	No capacity	1 Panel only	3 spare ports
up to 500 mA	No capacity	1 Panel + 1 Monitor	2 spare ports
up to 350 mA	No capacity	1 Panel + 2 Monitor	1 spare ports
up to 200 mA	No capacity	1 Panel + 3 Monitor	No spare ports
up to 250 mA	200 mA	1 Panel + 1 Monitor	2 spare ports
No capacity	325 mA	1 Panel + 1 Monitor	2 spare ports

The additional network connections are available to link to the Net2 PC server, other Net2 Entry control units or network switch units to expand the system. These do not require PoE power.

If additional equipment (Exit button, internal reader/keypad, etc.) is to be fitted, this must be included in the Lock power requirement.

Specifications			
Dimensions	Width	Height	Depth
	9 1/4 inch	12 5/8 inch	3 3/8 inch
Electrical	Min	Max	
PSU output voltage		12V DC	
PSU output current		2A	
Features	Min	Max	
PoE network ports		4	IEEE 802.3 af
Standard network ports		1	Net2 plus port
Environment	Min	Max	
Operating temperature	0 °C (32 °F)	45 °C (113 °F)	
IP Rating			Indoor use only

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Class A digital devices.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

To comply with the limits for a Class A digital device you may use UTP (unshielded twisted pair) category cable. In order to comply with the limits for a Class B digital device it is necessary to use FTP (foiled twisted pair) or STP (shielded twisted pair) category cable on the PoE/network ports.

Industry Canada Compliance

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.